**We Claim:**

1. A system and method for tracking and monitoring to analyze the distance, direction, altitude and specific location of a single or multiple transmitter unit(s) in relation to their location to the base utilizing a base station and transmitting device(s).

2. A wireless portable base unit for receiving signals from pre-programmed wireless portable transmitting unit(s)

3. A pre-programmed receiver that recognizes encrypted signals sent continuously from transmitter.

4. Transmitter unit that emits encrypted signals, with PIN sequencing algorithms recognized by a pre-programmed receiving unit.

5. Receiving unit utilizes Graphical User Interface (GUI) as well as audio and sensory alarms to display information on the transmitting device(s).

6. The units have an integrated memory component to enable tracking the last coordinates sent out by the transmitting unit.

7. The receiver has the capability to receive signals and exact coordinates of multiple transmitting units

8. The CPU in the receiver unit compensates for structural interferences for improved tracking.

9. The base station is programmable to adjust perimeter distance for tracking, change notification via audible, sensory and display alarms when the transmitter device exceeds the set perimeter as well as single or multiple transmitter tracking.

10. If the transmitting device exceeds or surpasses the set radius, the base station will alarm displaying distance, direction, altitude, and specific location of a single or multiple device(s).

11. The receiving unit displays continuously the coordinates of the transmitter device(s) indicating whether the transmitter is moving or stationary, direction, distance.

12. Lithium ion batteries power the transmitter and receiver units.

13. The transmitter and receiving unit(s) are small enough to be attached to clothing, shoes, jewelry or concealed on a pet collar

14. Each transmitter unit has a programmable PIN, which is unique for every transmitting unit.

    1. The PIN is encoded and programmed into the base station; the encryption prevents the PIN from programmed more than once.

    2. The base station requires confirmation of the PIN and once confirmation of the code verified, the transmitter-encrypted identification cannot be learned again for security purposes.

    3. Upon activation or learning of the PIN, the transmitter continuously emits a "presence code" keeping the base station aware of its location, distance, direction, and altitude.

15. A CPU within the receiving unit, which compensates for structural interference.

16. Ability to utilize intelligent mapping for reliably tracking transmitter device(s)

17. Receiving unit has the ability to utilize programmed flash memory and or cards for tracking

18. Receiving unit has the ability to be modified utilizing external hardware and software to enable tracking of encrypted devices

19. Receiver picks up a preprogrammed PIN from transmitter and then automatically requests conformation for tracking.